Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/07/2017 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124372	-1	1.30	124258	1.29
Blue	F	SSC	125000	122205	-3	2.43	122613	2.26
Blue	E	FITC	23795	23086	-3	2.53	1022	10.73
Blue	D	PE	29673	28808	-3	2.12	1035	10.21
Blue	B	PerCP-Cy5-5	48943	48093	-2	3.44	1383	17.40
Blue	A	PE-Cy7	44112	43307	-2	5.24	669	37.43
Red	C	APC	54273	53388	-2	2.74	3101	9.59
Red	A	APC-Cy7	54945	53918	-2	2.79	1117	11.38
Violet	B	V450	15756	14865	-6	3.84	714	8.76
Violet	A	V500	62569	61036	-3	3.62	2697	6.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19457	2.89	612	-2	N/A	N/A	Pass
Blue	F	SSC	60408	1.61	546	0	N/A	N/A	Pass
Blue	E	FITC	116	38.75	550	0	0.0187	94	Pass
Blue	D	PE	227	29.31	546	0	0.1418	201	Pass
Blue	B	PerCP-Cy5-5	216	47.01	639	0	0.0095	124	Pass
Blue	A	PE-Cy7	71	126.30	695	-4	0.0106	13	Pass
Red	C	APC	364	27.39	599	-1	0.0193	21	Pass
Red	A	APC-Cy7	124	40.18	578	-6	0.0053	1362	Pass
Violet	B	V450	86	41.51	473	1	0.0486	1895	Pass
Violet	A	V500	197	22.66	502	3	0.0155	591	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.26	0.86
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	18.42	13.27 - 19.91	N/A	N/A	31.30	31.93	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15913

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments